

CLAIMS

Following is a complete listing of all claims in the application, including the status of each claim, in accordance with the revised format for amendments.

In the Claims:

Please cancel claims 1-4, 11, 13-16 and 21-25, withdrawn from consideration as they are drawn to a non-elected invention.

Please cancel claims 37-40.

Please amend claims 26, 31 and 34.

1-4. (Withdrawn)

5-10. (Cancelled)

11. (Withdrawn)

12. (Cancelled)

13-16. (Withdrawn)

17-20. (Cancelled)

21-25. (Withdrawn)

26. (Currently amended) A transgenic mouse whose genome comprises a disruption in a ~~target gene, wherein the target gene is capable of homologous recombination with a nucleotide sequence homologous to~~ nucleotide sequence comprising SEQ ID NO:1, and wherein the transgenic mouse exhibits increased prepulse inhibition.

27. (Previously added) The transgenic mouse of claim 26, wherein the disruption is produced by homologous recombination using a targeting construct comprising SEQ ID NO:2 or SEQ ID NO:3.

28. (Previously added) The transgenic mouse of claim 26, wherein the disruption is homozygous.

29. (Previously added) The transgenic mouse of claim 26, wherein the disruption is heterozygous.

30. (Previously added) A cell or tissue isolated from the transgenic mouse of claim 26.

31. (Currently amended) A transgenic mouse comprising a heterozygous disruption in a ~~target gene, wherein the target gene is capable of homologous recombination with a nucleotide sequence homologous to~~ nucleotide sequence comprising SEQ ID NO:1, wherein, upon

breeding, said transgenic mouse produces a transgenic mouse comprising a homozygous disruption in the ~~target gene~~ nucleotide sequence comprising SEQ ID NO:1 exhibiting increased prepulse inhibition.

32. (Previously added) The transgenic mouse of claim 31, wherein the disruption is produced by homologous recombination using a targeting construct comprising SEQ ID NO:2 or SEQ ID NO:3.

33. (Previously added) A cell or tissue isolated from the transgenic mouse of claim 31.

34. (Currently amended) A method of producing a transgenic mouse comprising a disruption in a nucleotide sequence comprising SEQ ID NO:1 ~~target gene~~, the method comprising:

(a) providing a mouse embryonic stem cell comprising a disruption in the ~~target gene~~, ~~wherein the target gene is capable of homologous recombination with a nucleotide sequence homologous to~~ nucleotide sequence comprising SEQ ID NO:1;

(b) introducing the mouse embryonic stem cell into a pseudopregnant mouse, wherein said pseudopregnant mouse gives birth to a chimeric mouse; and

(c) breeding the chimeric mouse to produce the transgenic mouse;

wherein the transgenic mouse comprising a disruption in the ~~target gene~~ nucleotide sequence comprising SEQ ID NO:1 exhibits increased prepulse inhibition.

35. (Previously added) The method of producing a transgenic mouse recited in claim 34, wherein the disruption is produced by homologous recombination using a targeting construct comprising SEQ ID NO:2 or SEQ ID NO:3.

36. (Previously added) A cell or tissue isolated from the transgenic mouse produced by the method of claim 34.

37-40. (Cancelled)